

**ASE PRODUCT SERIES SS 1000E – SOLID SURFACE ENGRAVED
SS 1000ELU – SOLID SURFACE and LIMOCOR© ENGRAVED
SS 1000 BE – SOLID SURFACE BLAST-ETCHED©**

**DIVISION 10
SECTION 10440 – INTERIOR SIGNAGE**

PART 1 – GENERAL

1.1 SECTION INCLUDES

- A. Interior panel signs.

1.2 REFERENCES

- A. Department of Justice - Title II regulation (28CFR Part 35) and Title III regulation (28 CFR Part 36).
- B. ICC/ANSI A117.1 2003 Standard on Accessible and Useable Buildings and facilities or applicable standards of authorities having jurisdiction.
- C. ADA Accessibility Guidelines for Buildings and Facilities – ADAAG.

1.3 SUBMITTALS

- A. Submit the following according to the Conditions of the Contract and Division 1 Specification Sections.
- B. Product Data: Manufacturers descriptive literature for each sign product specified including installation instructions.
- C. Shop Drawings: Elevation and plan drawings for each sign type showing: material, thickness, color, design, shape, size, edge, corner; text, Braille and/or pictogram layout, and components.
- D. Sample: Provide a sample of each sign product specified to verify compliance with the drawings and specifications.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Store products in protective packaging until ready for installation.

PART 2 – PRODUCTS

2.1 MANUFACTURERS

- A. Provide signs based on ASE, Inc. Product Series: **[SS 1000E (Engraved)][SS 1000ELU (Engraved with Lumicor©)][SS 1000BE (Blast-Etched©)]** Solid Surface signage.
Architectural Signs & Engraving, (ASE, Inc.) 10110 Highway 12,
Orofino, ID 83544. Ph: (800) 599-8371 Fax: (800) 599-8372.

2.2 MATERIALS

- A. Solid surface sheet: Non-porous homogeneous blend of polymer and/or acrylic resins, mineral filler materials, and coloring agents.
 - 1. Resistant to abrasion, stains, solvents and heat.
 - 2. Non-glare matte finish.
 - 3. Available in solid or decorative colors.
- B. Single ply modified acrylic plate.
 - 1. UV stable.
 - 2. Matte non-glare finish.
- B. Lumicor© sheet: Unfilled acrylic with embedding fabric, metals, natural foliage, wood veneers, and assorted additional core elements.

2.3 FABRICATION

- A. Signs shall comply with the regulations and standards referenced in 10440.1.2.
- B. Solid Surface engraved signs:
 - 1. Solid surface sheet shall be CNC cut to specifications with square or radius corners, and/or custom shapes.
 - 2. 1/32 inch modified acrylic appliqué shall be adhered to the plate with a high bond chemical adhesive and the text and/or symbols CNC cut to specifications.
 - 3. Domed grade 2 Braille shall be embedded in the surface.
 - 4. Comply with requirements indicated for material, thickness, color, design, shape, size and details of construction.
 - 5. Text and symbols shall contrast with their background, i.e. light characters on a dark background or dark characters on a light background.
- C. Solid Surface with Lumicor© engraved signs:
 - 1. Solid surface sheet shall be CNC cut to specifications with square or radius corners, and/or custom shapes.
 - 2. Lumicor© sheet shall be CNC cut to specifications and adhered to the solid surface material with a high bond chemical adhesive.
 - 3. 1/32 inch modified acrylic appliqué shall be adhered to the Lumicor© with a high bond chemical adhesive and the text and/or symbols CNC cut to specifications.
 - 4. Domed grade 2 Braille shall be embedded in the surface.
 - 5. Comply with requirements indicated for material, thickness, color, design, shape, size and details of construction.
 - 6. Text and symbols shall contrast with their background, i.e. light characters on a dark background or dark characters on a light background.

D. Solid Surface etched signs:

1. Solid surface sheet shall be CNC cut to specifications with square or radius corners, and/or custom shapes.
2. Masking material shall be CNC cut to specifications.
3. A blast-etched process shall be used to etch away the background to a depth of 1/32 inch leaving the text, symbols, grade 2 Braille, and borders (if applicable) integral with the sign.
4. Sign face shall be of one-piece construction; engraved tactile characters are not acceptable.
5. Comply with requirements indicated for material, thickness, finish, color, design, shape, size and details of construction.
6. Text and symbols shall contrast with their background, i.e. light characters on a dark background or dark characters on a light background.

2.4 SIGNS

A. Provide signs in accordance with Section 10440.3.4 (See sign schedule and drawings.)

B. Solid surface engraved signs:

1. Colors:
 - a. Text and graphics color selected by Architect from manufacturers standard colors.
 - b. Background color (solid surface material) selected by Architect.
2. Sign size: Refer to sign schedule and/or drawings.
3. Text size: **[5/8 inch high (min)][Size]**, raised 1/32 inch, with grade 2 Braille below text.
4. Graphics: International symbols for indicated information.

C. Solid surface with Lumicor© engraved signs:

1. Colors:
 - a. Text and graphics color selected by Architect from manufacturers standard colors.
 - b. Background colors selected by Architect.
 - i. Solid surface material.
 - ii. Lumicor© Name and number.
2. Sign size: Refer to sign schedule and/or drawings.
3. Text size: **[5/8 inch high (min)][Size]**, raised 1/32 inch, with grade 2 Braille below text.
4. Graphics: International symbols for indicated information.

D. Solid surface blast-etched signs:

1. Colors:
 - a. **[Text and graphics color selected by Architect][Text and graphics color selected by Architect from manufacturers standard colors]**
 - b. Background color (solid surface material) selected by Architect.
2. Sign size: Refer to sign schedule and/or drawings.
3. Text size: **[5/8 inch high (min)][Size]**, raised 1/32 inch, with grade 2 Braille below text.
4. Graphics: International symbols for indicated information.

PART 3 – EXECUTION

3.1 EXAMINATION

- A. Verify that substrate has been properly prepared and that surfaces are cured.
- B. Notify Architect of unsatisfactory preparation before proceeding.

3.2 INSTALLATION

- A. Locate signs where indicated or directed by Architect. Install level and plumb in accordance with manufacturers recommendations.
- B. Locate in accordance with Section 10440.1.2.

3.3 PROTECTION

Protect installed products until project completion. Clean signs according to manufacturers instruction.

3.4 SCHEDULES

[Sign Schedule][Reference to location of Sign Schedule][Sign Drawings][Reference to location of Sign Drawings]

END OF SECTION